

IN THE CLAIMS:

Kindly cancel Claim 11. The status of all claims in the case are also set forth below.

1. (Previously Presented) An adhesive composition comprising:

(A) 100 parts by weight of a compound having at least two hydrolysable silyl groups in a molecule;

(B) 0.01-20 parts by weight of a compound which initiates crosslinking of the compound (A);

(C) 15-100 parts by weight of a compound having a polymerizable group in a molecule;

(D) 0.01-20 parts by weight of a compound which is activated by irradiation to initiate polymerization of the polymerizable group in the compound (C); and

(E) 20-65% by volume at 25°C based on 100% by volume of all compounds (A)-(E) of a thixotropic agent

wherein:

said adhesive composition has a viscosity at 25 °C of 1-10,000,000 m Pa's (1 – 10,000,000 cps), conversions of the compounds (A) and (C) immediately after exposure of the adhesive composition to an active energy radiation of ultraviolet radiation, visible light, infrared radiation, electron beam or x-ray are in the range of 10-70%, the composition immediately after its exposure to the active energy radiation has a dynamic shear modulus in the range of $10^5 - 10^7$ Pa; and the conversions of the compounds (A) and (C) after exposure of the adhesive composition to the active energy radiation and subsequent 24-hour aging at 25 °C are in the range of 50 – 100 %, and after exposure of the adhesive composition to the active energy radiation and subsequent 24-hour aging at

25 °C, the cured composition has an elongation at break of 10 – 1,000 % and a dynamic tensile modulus in the range of $10^5 - 10^9$ Pa.

2. (Cancelled)

3. (Previously Presented) The adhesive composition as recited in claim 1, wherein the conversions of the compounds (A) and (C) immediately after exposure of the adhesive composition to the active energy radiation are in the range of 10 – 70 % and the adhesive composition has a viscosity at 25 °C of 1 – 10,000,000 cps; and the conversions of the compounds (A) and (C) after exposure of the adhesive composition to the active energy radiation and subsequent 12-hour aging at 25 °C is in the range of 50 – 100 %.

4. (Cancelled)

5. (Previously Presented) The adhesive composition as recited in claim 1, wherein the hydrolyzable silyl group in the compound (A) is an alkoxysilyl group, and the compound (A) is a compound containing the alkoxysilyl group substituted in a polymer selected from the group consisting of polyalkylene glycols and polyolefins.

6. (Previously Presented) The adhesive composition as recited in claim 1, wherein the polymerizable group in the compound (C) is a free-radically polymerizable group and the compound (D) is a photochemically free-radical generating agent.

7. (Previously Presented) The adhesive composition as recited in claim 1, wherein the free-radically polymerizable group in the compound (C) is a polymerizable group selected from acryloyl and methacryloyl groups.

8. (Previously Presented) The adhesive composition as recited in claim 1, wherein the compound (C) contains at least one compound (F) containing at least one polymerizable group in a molecule and having a weight average molecular weight of not less than 3,000.

9. (Cancelled)

10. (Previously Presented) A method of joining members comprising, applying the adhesive composition as recited in claim 1 to one of the members, exposing a top surface of the applied adhesive composition layer to an active energy radiation, and combining the one member with the other member.

11. (Cancelled)

12. (Previously Presented) The adhesive composition as recited in claim 3, wherein the hydrolyzable silyl group in the compound (A) is a alkoxysilyl group, and the compound (A) is a compound containing the alkoxysilyl group substituted in a polymer selected from the group consisting of polyalkylene glycols and polyolefins.

13. (Previously Presented) The adhesive composition as recited in claim 3, wherein the polymerizable group in the compound (C) is a free-radically polymerizable group and the compound (D) is a photochemically free-radical generating agent.

14. (Previously Presented) The adhesive composition as recited in claim 5, wherein the polymerizable group in the compound (C) is a free-radically polymerizable group and the compound (D) is a photochemically free-radical generating agent.

15. (Previously Presented) The adhesive composition as recited in claim 3, wherein the free-radically polymerizable group in the compound (C) is a polymerizable group selected from acryloyl and methacryloyl groups.

16. (Previously Presented) The adhesive composition as recited in claim 5, wherein the free-radically polymerizable group in the compound (C) is a polymerizable group selected from acryloyl and methacryloyl groups.

17. (Previously Presented) The adhesive composition as recited in claim 7, wherein the free-radically polymerizable group in the compound (C) is a polymerizable group selected from acryloyl and methacryloyl groups.

18. (Previously Presented) The adhesive composition as recited in claim 3, wherein the compound (C) contains at least one compound (F) containing at least one polymerizable group in a molecule and having a weight average molecular weight of not less than 3,000.

19. (Previously Presented) The adhesive composition as recited in claim 5, wherein the compound (C) contains at least one compound (F) containing at least one polymerizable group in a molecule and having a weight average molecular weight of not less than 3,000.

20. (Previously Presented) The adhesive composition as recited in claim 6, wherein the compound (C) contains at least one compound (F) containing at least one polymerizable group in a molecule and having a weight average molecular weight of not less than 3,000.

21. (Previously Presented) The adhesive composition as recited in claim 7, wherein the compound (C) contains at least one compound (F) containing at least one polymerizable group in a molecule and having a weight average molecular weight of not less than 3,000.